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TITLE : PICTURE CODING CONTROL
METHOD

ABSTRACT : PURPOSE: To improve the coding efficiency by deciding a quantization step for each spatial block so as to reduce the difference between an object information quantity and a generated information quantity.

CONSTITUTION: In the quantization step generating processing of a macro block, a difference 3 between a just preceding object information quantity 1 and a generated information quantity 2 is obtained and an amplification factor (a) is multiplied by the difference 3 and the product is amplified, and a quantization step 9 is obtained by multiplying a proportional constant 8 by a virtual buffer state quantity 7 obtained by adding an initial buffer occupancy quantity 6 to the product. Then the step 9 is given to a coding processing section 10 for a macro block to measure a generated information quantity 11 and the quantity 11 and a generated information quantity 12 just before the storage to a memory 13 are added to output a generated information quantity 14 up to now. Then the change in the quantization step 9 is changed with respect to the buffer occupancy quantity depending on the magnitude of the amplification factor (a). Thus, the generated information quantity is adjusted so as to be close to an object information quantity by changing the amplification factor (a) adaptively in proportion to a change in the difference information quantity.

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